

Attorney Docket No. 06618-581001
Appl. No. 09/765,722
Amdt. dated August 5, 2003
Reply to Office Action dated March 12, 2003

Amendment to the Claims:

This listing of claims replaces all prior versions, and
listings, of claims in the application:

b6 1. (Previously presented) A method of recognizing
handwriting, comprising:

obtaining a sample of handwriting;

segmenting said sample into separate handwritten words; and

attempting to recognize a whole handwritten word without
attempting to recognize any individual letter of the whole
handwritten word, by determining higher-profile features which
have higher weighted parts during recognition, and low profile
features which have lower weighted parts during recognition, and
locations of said high-profile features and said low-profile
features.

b6 2. (Canceled)

b6 3. (Currently amended) A method as in claim [[2]] 1, wherein
said recognizing comprises determining features of the
silhouette.

4. (Canceled)

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5. (Previously presented) A method as in claim 1,
wherein said determining features comprises determining prime
features.

6. (Previously presented) A method as in claim 5,
further comprising enclosing said prime features to form hybrid
features.

7. (Original) A method as in claim 6, further comprising
sorting said features by first syllable blends.

8. (Previously presented) A method as in claim 1, wherein
said attempting comprises categorizing a whole of said
handwritten word according to its overall silhouette.

9. (Currently amended) A method as in claim 8, A method
of recognizing handwriting, comprising:

obtaining a sample of handwriting;
segmenting said sample into separate handwritten words; and
attempting to recognize a whole handwritten word without
attempting to recognize any individual letter of the whole
handwritten word, by categorizing a whole of said handwritten
word according to its overall silhouette; and

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wherein said categorizing comprises categorizing positions of features in said handwritten word, and categorizing first syllable blends of said handwritten word.

10. (Original) A method as in claim 1, wherein said sample of handwriting includes family names.

11. (Original) A method as in claim 10, further comprising forming a list of a plurality of family names, and forming silhouette information about said plurality of family names, and comparing said separate handwritten words to said plurality of family names.

12. (Original) A method as in claim 11, wherein said comparing comprises forming silhouette information, and comparing said silhouette information into said silhouette information about said plurality of family names.

13. (Original) A method as in claim 12, wherein said silhouette information includes information about the presence of high and low parts in the written word and the position of those high and low parts.

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14. (Original) A method as in claim 12 wherein said silhouette information includes first syllable blends in the word.

15. (Currently amended) A method, comprising:
~~analyzing a sample of handwriting by analyzing a whole word of said sample at any one time, said analyzing comprising (1) forming information indicative of a silhouette of said whole word, -and comparing said information with a database of information about other silhouettes, wherein said silhouette information includes prime profiles indicative of specified features, and concatenated used to form concatenations of said prime profiles indicative of which concatenation describe combinations of specified features, (2) analyzing slope sequences of the handwriting, (3) analyzing N-S profiles of the handwriting, and (4) analyzing cavities within said handwriting, and (2) comparing said information with a database of information about other analysis information.~~

16. (Original) A method as in claim 15, wherein said database of information comprises a database of information obtained from a list of possible words.

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17. (Cancelled)

500 18. (Original) A method as in claim 15, wherein said silhouette information includes information indicative of high parts in the word and low parts in the word, and positions of said high parts and low parts in the word.

19. (Currently amended) A method as in claim 15, A method comprising:

analyzing a sample of handwriting by analyzing a whole word of said sample at any one time, said analyzing comprising forming information indicative of a silhouette of said whole word, and comparing said information with a database of information about other silhouettes, wherein said silhouette information includes prime profiles indicative of specified features, and concatenated profiles indicative of combinations of specified features; and

wherein said silhouette information includes information about first syllable blends in the word.

20. (Original) A method as in claim 18, wherein said silhouette information also includes information about first syllable blends in the word.

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21. (Canceled)

22. (Previously presented) A method as in claim 18,
wherein each of a plurality of silhouette information is
provided with a number.

23. (Previously presented) A method as in claim 18,
wherein each feature is assigned a number.